FIG. 10

Regression model		Virus Sample			
Mutation	log(*FC*) shift	V1	V2	V3	V4
24I	0.50				1
30N	0.39			1	
32I	0.32	½			
46I	0.21	1			½
54T	1.33		1		
54V	0.52				½
82A	0.63	1	1		
82T	0.59				1
84V	0.67				½
Other interactions		*-0.14*	*0.22*	*-0.17*	*-0.02*
predicted log(*FC*)		0.86	2.18	-0.56	1.77
measured log(*FC*)		0.89	2.19	-0.50	1.81

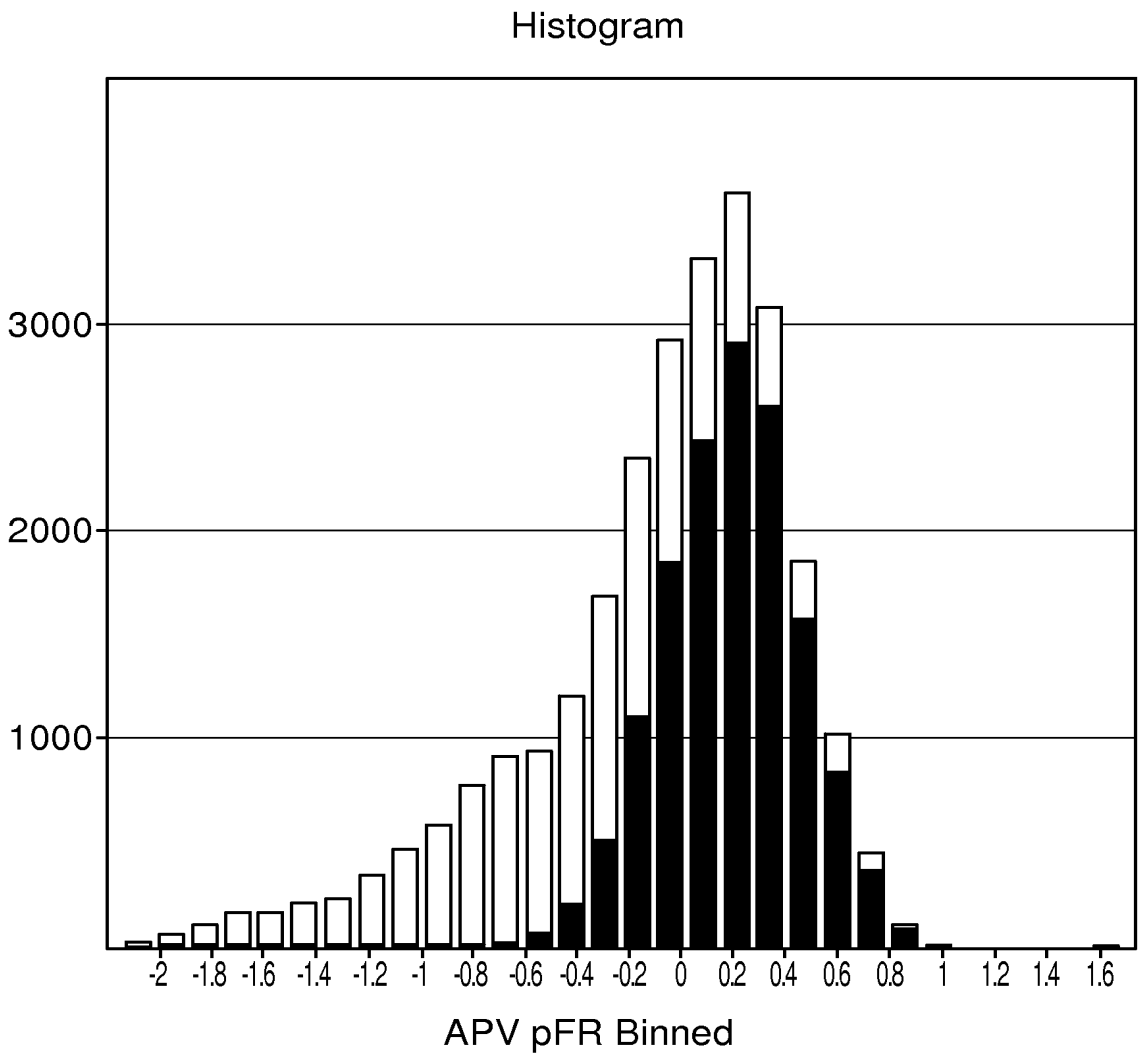
Histogram
3000
2000
1000
-2
-1.8
-1.6
-1.4
-1.2
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
APV pFR Binned

FIG. 17

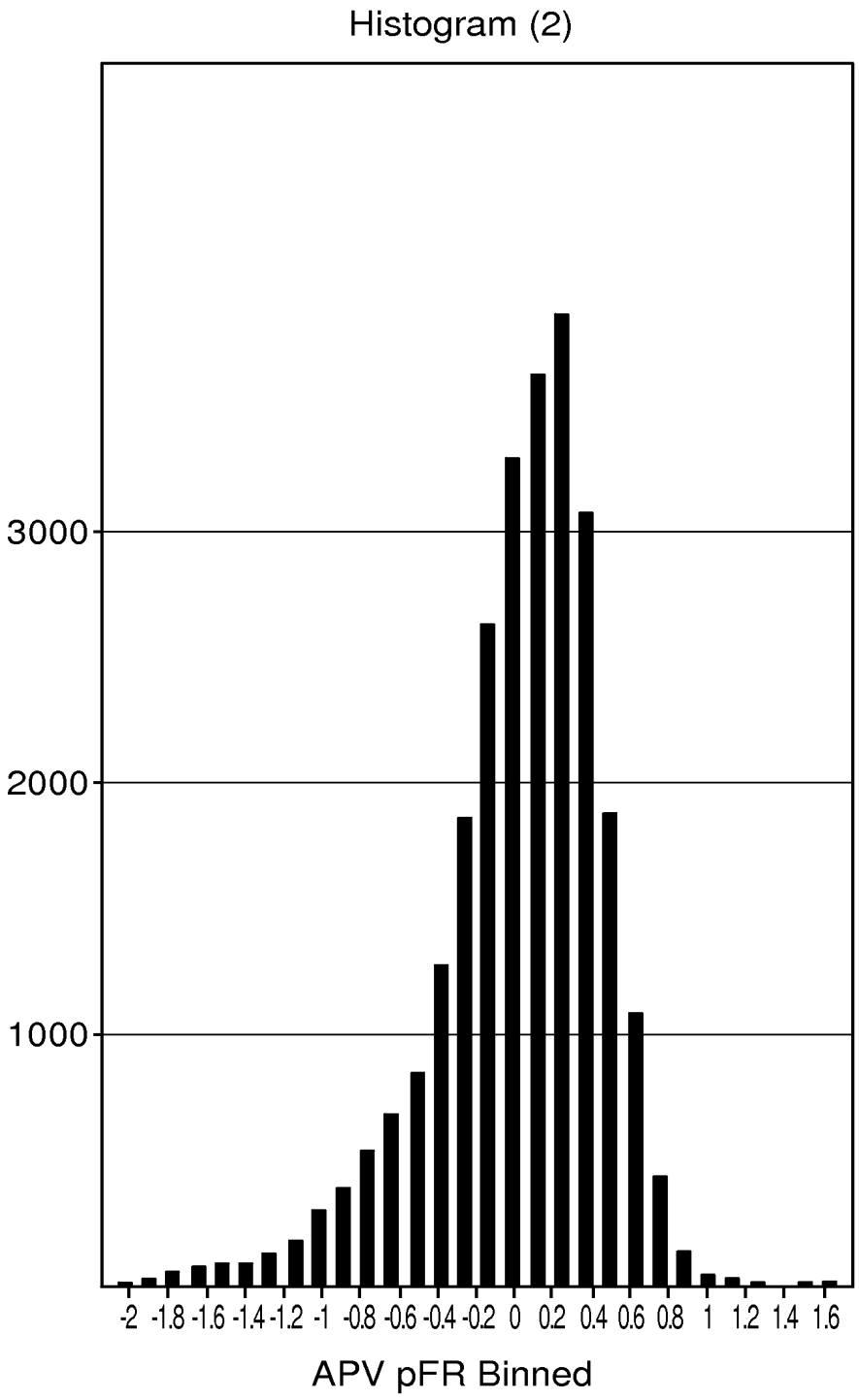
Histogram (2)
3000
2000
1000
-2 -1.8 -1.6 -1.4 -1.2 -1 -0.8 -0.6 -0.4 -0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6
APV pFR Binned

FIG. 20

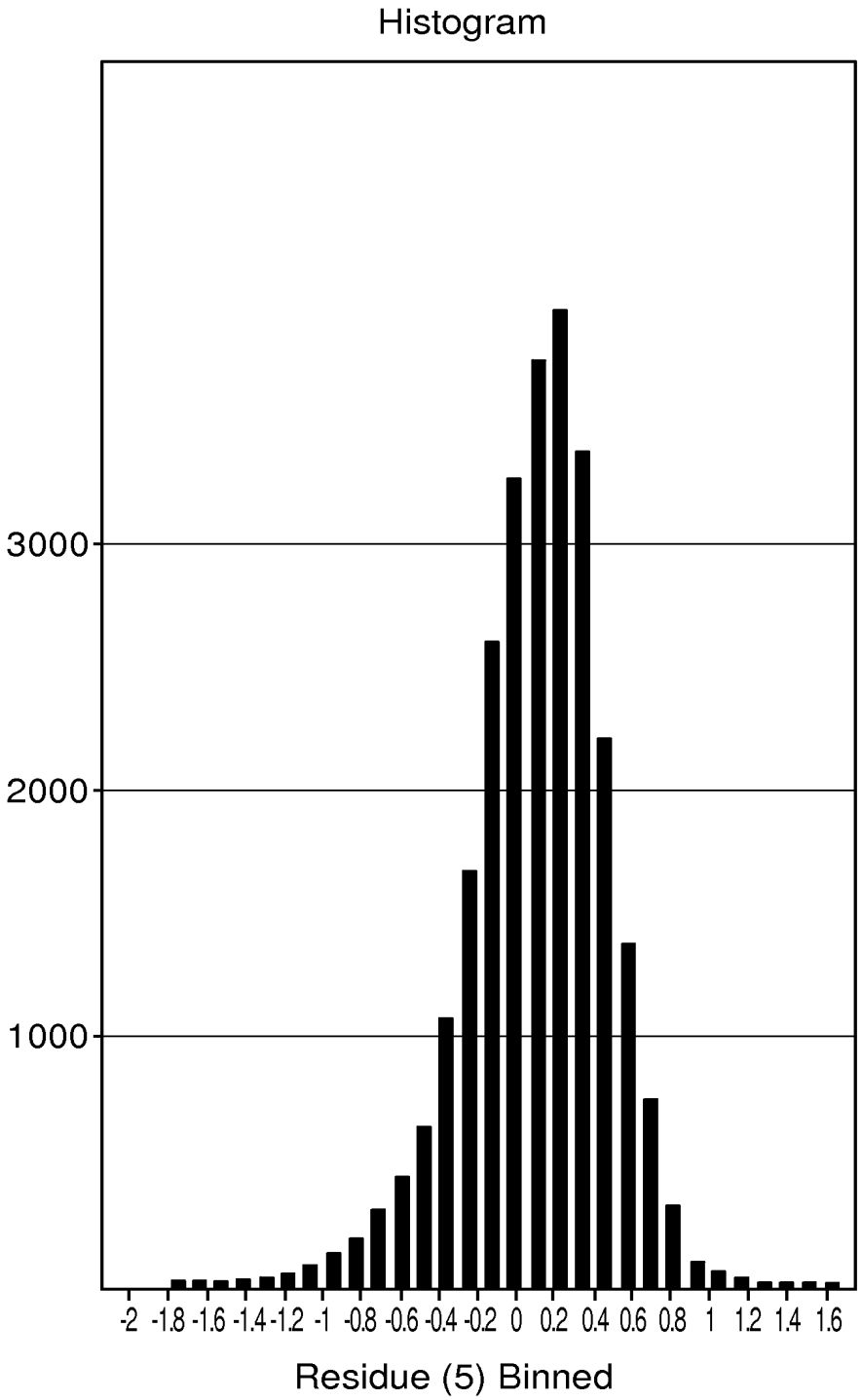
Histogram
3000
2000
1000
-2 -1.8 -1.6 -1.4 -1.2 -1 -0.8 -0.6 -0.4 -0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6
Residue (5) Binned

FIG. 21